

About This Manual

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Objectives

This manual describes the Juniper Networks T320 Internet router and explains how to unpack and install the router, how to perform routine maintenance and upgrades, and how to perform basic troubleshooting.

To obtain additional information about Juniper Networks Internet routers, and their PICs—either corrections to information in this manual or information that might have been omitted from this manual—refer to the hardware release notes.

To obtain the most current version of this manual, the most current version of the hardware release notes, and other Juniper Networks technical documentation, see the product documentation page on the Juniper Networks Web site, which is located at <http://www.juniper.net>.

To order printed copies of this manual or to order a documentation CD-ROM, which contains this manual, please contact your sales representative.

Audience

This manual is designed for network administrators who are installing and maintaining a Juniper Networks router, or preparing a site for router installation. It assumes that you have a broad understanding of networks in general, the Internet in particular, networking principles, and network configuration. Any detailed discussion of these concepts is beyond the scope of this manual.

Document Organization

This manual is divided into several parts, each containing a category of information about the router:

Part 1, “System Overview,” provides an overview of the router, describing its hardware components, the JUNOS Internet software, and the system architecture.

Part 2, “Initial Installation,” describes how to prepare your site for installing the router, providing environmental and power supply specifications, rack and clearance requirements, and wiring and cabling guidelines. It also provides an overview of the installation process, lists safety guidelines, and describes how to unpack the router. Finally, it explains how to install the router and how to initially start the router and configure the software.

Part 3, “Hardware Maintenance and Replacement Procedures,” provides general maintenance procedures for the router and describes how to maintain and replace the router components.

Part 4, “Troubleshooting,” describes general troubleshooting procedures for the router and explains how to track the source of problems in the hardware components. It also tells you how to contact the Technical Assistance Center.

Part 5, “Appendixes,” provides information about cable connectors, cleaning fiber-optic connectors, and returning the router or its components. It also provides a glossary.

Part 6, “Index,” provides an index of the manual.

Related Documents

For more information about Physical Interface Cards (PICs) for the T320 Internet Router, see the *T320 Internet Router PIC Guide*.

For complete information about configuring the software, including examples, see the following documents:

JUNOS Internet software configuration guides

JUNOS Internet Software Operational Mode Command Reference

JUNOScript API Guide and *JUNOScript API Reference*

Documentation Conventions

This manual uses the following text conventions:

Router and router component labels are shown in a sans serif font. In the following example, ETHERNET is the label for the Ethernet management port on the router:

The 10/100-Mbps Ethernet RJ-45 connector is used for out-of-band management of the router and is labeled ETHERNET.

Statements, commands, filenames, directory names, IP addresses, and configuration hierarchy levels are shown in a sans serif font. In the following example, *stub* is a statement name and [edit protocols ospf area *area-id*] is a configuration hierarchy level:

To configure a stub area, include the stub statement at the [edit protocols ospf area *area-id*] hierarchy level:

In examples, text that you type literally is shown in bold. In the following example, you type the words *show chassis alarms*:

For example, you can use the following command to get information about the source of an alarm condition:

```
user@host> show chassis alarms
```

Notes, Cautions, and Warnings

Notes, cautions, and warnings are denoted by the following symbols:



Note

A *note* indicates information that might be helpful in a particular situation, or information that might otherwise be overlooked.



Caution

A *caution* indicates a situation that requires careful attention. Failure to observe a caution could result in minor injury or discomfort to yourself, or serious damage to the router.



Warning

A *warning* indicates a potentially dangerous situation. Failure to follow the guidelines in a warning could result in severe injury or death.

Contact Juniper Networks

For technical support, contact Juniper Networks at support@juniper.net, or at 1-888-314-JTAC (within the United States) or 408-745-2121 (from outside the United States).

Documentation Feedback

We are always interested in hearing from our customers. Please let us know what you like and do not like about the product documentation, and let us know of any suggestions you have for improving the documentation. Also, let us know if you find any mistakes in the documentation. Send your feedback and comments to tech-doc@juniper.net.